

IN THE CLAIMS

Please amend the following of the claims which are pending in the present application:

1. (Original) A Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication with another Bluetooth enabled device, a serial connector allowing connection of a serial cable between the adapter and a device having a serial port, and a serial to Bluetooth interface arranged for:

receiving serial connection control commands input via the serial connector;
mapping received serial connection control commands to Bluetooth connection control events; and
outputting the so determined Bluetooth connection control events to the Bluetooth connection module.

2. (Original) A Bluetooth serial adapter according to claim 1 in which the serial to Bluetooth interface arranged for:

receiving Bluetooth connection control events from the Bluetooth connection module;
mapping received Bluetooth connection control events to serial connection control commands;

and outputting the so determined serial connection control commands to the serial connector for onward transmission to a device having a serial port.

3. (Currently amended) A Bluetooth serial adapter according to claim 1 ~~or claim 2~~ in which the set of serial connection control commands is smaller than the array of events provided in Bluetooth.

4. (Original) A Bluetooth serial adapter according to claim 3 in which each serial connection control command is mapped to a corresponding Bluetooth event but there is at least one Bluetooth event that has no corresponding serial connection control command.

5. (Currently amended) A Bluetooth serial adapter according to ~~any preceding~~ claim 1 in which the serial connection control commands comprise a command set having commands which are one of: analogous to, directly related to, and substantially identical to, commands used in an industry standard command set used in controlling Modem connections.

6. (Currently amended) A Bluetooth serial adapter according to ~~any preceding~~ claim 1 in which the serial connection control commands comprise a set of AT commands.

7. (Currently amended) A Bluetooth serial adapter according to ~~any~~ ~~preceding~~ claim 1 in which the serial connection control commands comprise one of: the set of commands, or a subset of the commands, mentioned and explained in section 3.2 of Annex 1 to the description of this application.

8. (Currently amended) A Bluetooth serial adapter according to ~~any~~ ~~preceding~~ claim 1 in which the Bluetooth connection module comprises a Bluetooth chip carrying a programmable virtual machine programmed to act as the serial to Bluetooth interface.

9. (Original) A Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication with another Bluetooth enabled device, a serial connector allowing connection of a serial cable between the adapter and a device having a serial port, and a serial to Bluetooth interface arranged for:

receiving Bluetooth connection control events from the Bluetooth connection module;

mapping received Bluetooth connection control events to serial connection control commands; and

outputting the so determined serial connection control commands to the serial connector for onward transmission to a device having a serial port.

10. (Original) A method of communicating via a Bluetooth connection using a device with a serial port, comprising the step of using a Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication with another Bluetooth enabled device, a serial connector connected via a serial cable to the device having a serial port, and a serial to Bluetooth interface, the method further comprising the serial to Bluetooth interface carrying out the steps of:

receiving serial connection control commands from the device via the serial cable;

mapping received serial connection control commands to Bluetooth connection control events; and

outputting the so determined Bluetooth connection control events to the Bluetooth connection module.

11. (Original) A method of communicating via a Bluetooth connection using a device with a serial port, comprising the step of using a Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication with another Bluetooth enabled device, a serial connector connected via a serial cable to the device having a serial port, and a serial to Bluetooth interface, the method further comprising the serial to Bluetooth interface carrying out the steps of:

receiving Bluetooth connection control events from the Bluetooth connection module;

mapping received Bluetooth connection control events to serial connection control commands; and

outputting the so determined serial connection control commands via the serial cable to the device having a serial port.

12. (Currently amended) A virtual serial connection system between two devices each of which has a serial port, the system comprising a pair of Bluetooth serial adapters according to ~~any one of claims 1 to 9~~ claim 1, one of the adapters being connected to a first of the devices via a first serial cable and the other of the adapters being connected to the second of the devices via a second serial cable, wherein the virtual serial connection is completed by Bluetooth communication between the two Bluetooth serial adapters.

13. (Currently amended) A computer program comprising code portions which when loaded and run on computer cause the computer to carry out a method according to claim 10 ~~or claim 11~~ and/or to function as a serial to Bluetooth interface.

14. (Original) A computer readable data carrier such as a signal or a record

medium for example RAM, ROM, EEPROM, a floppy disk, a hard disk, or a CD-ROM carrying a computer program according to claim 13.